

FIG. 1 is a block diagram of a data storage system 20. The system includes a 22-A HOST, a 22-B HOST, and a 22-C HOST. The 22-A HOST includes a 32-A PROCESSOR, a 34-A MEMORY (containing 38 HOST APPLICATION and 37 TOKENS), and a 36-A I/O CONTROLLER. The 37 TOKENS include 40, 42, and 43. The 22-B HOST and 22-C HOST are connected to a 26 NETWORK CONNECTION. The 26 NETWORK CONNECTION is connected to a 28 DATA ACCESS MANAGER (E.G., NETWORK SWITCH) and a 30-A DATA STORAGE ASSEMBLY. The 28 DATA ACCESS MANAGER includes a 32-B PROCESSOR and a 34-B MEMORY (containing 44 DATA ACCESS MGR. APPLICATION and 41 TOKEN TABLE). The 41 TOKEN TABLE includes 42 MASTER TOKEN. The 30-A DATA STORAGE ASSEMBLY includes a 33 CONTROL CIRCUIT and a 48 DATA STORAGE (E.G., ONE OR MORE DISKS). The 48 DATA STORAGE includes 52 STORAGE LOCATIONS (containing 40 ACCESS TOKEN(S) and 50 DATA SET(S)) and a 42 MASTER TOKEN. The 30-A DATA STORAGE ASSEMBLY is connected to a 30-B DATA STORAGE ASSEMBLY and a 30-C DATA STORAGE ASSEMBLY. The 30-B DATA STORAGE ASSEMBLY and 30-C DATA STORAGE ASSEMBLY are connected to a 24 DATA STORAGE SYSTEM (E.G., STORAGE AREA NETWORK). The 24 DATA STORAGE SYSTEM is connected to the 26 NETWORK CONNECTION. The 26 NETWORK CONNECTION is also connected to a 180 (floppy disk) and a 182 (lightning bolt symbol).

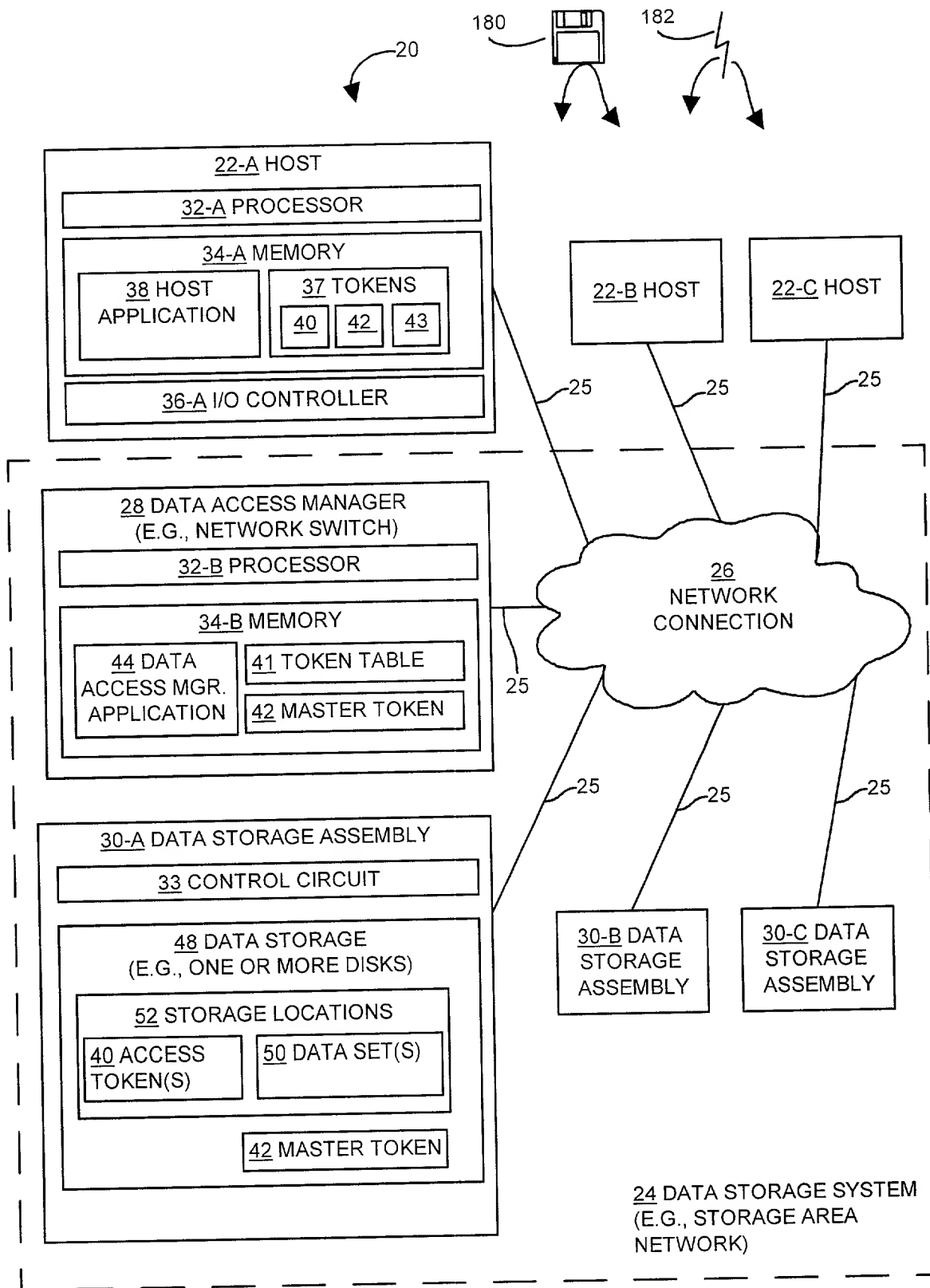


FIG. 1

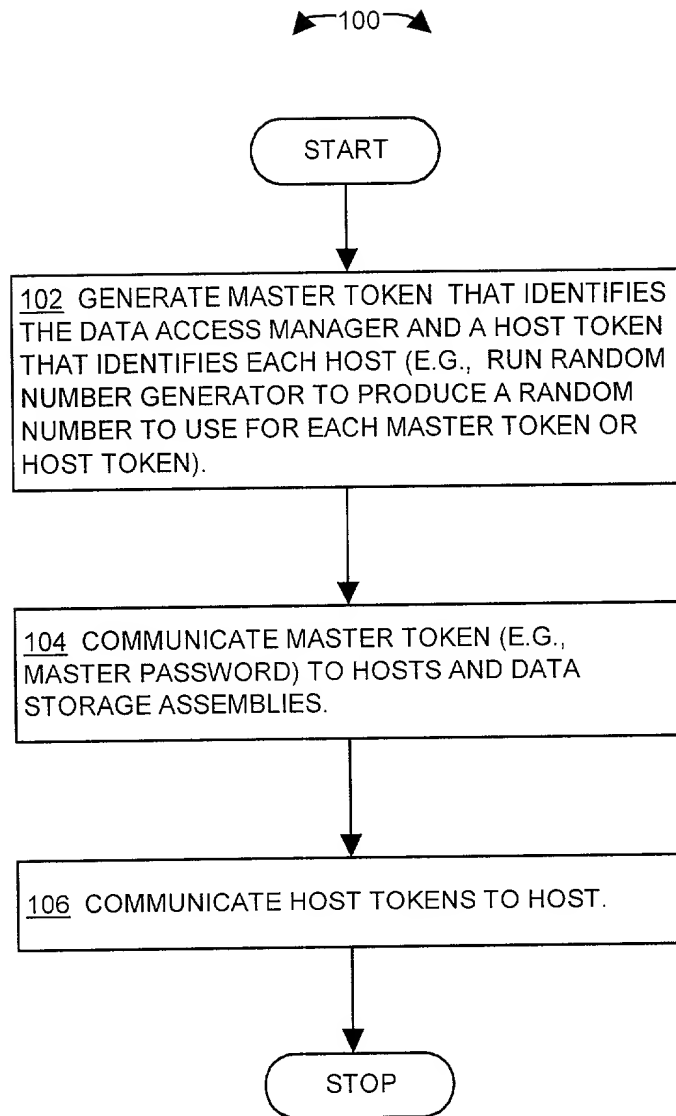


FIG. 2

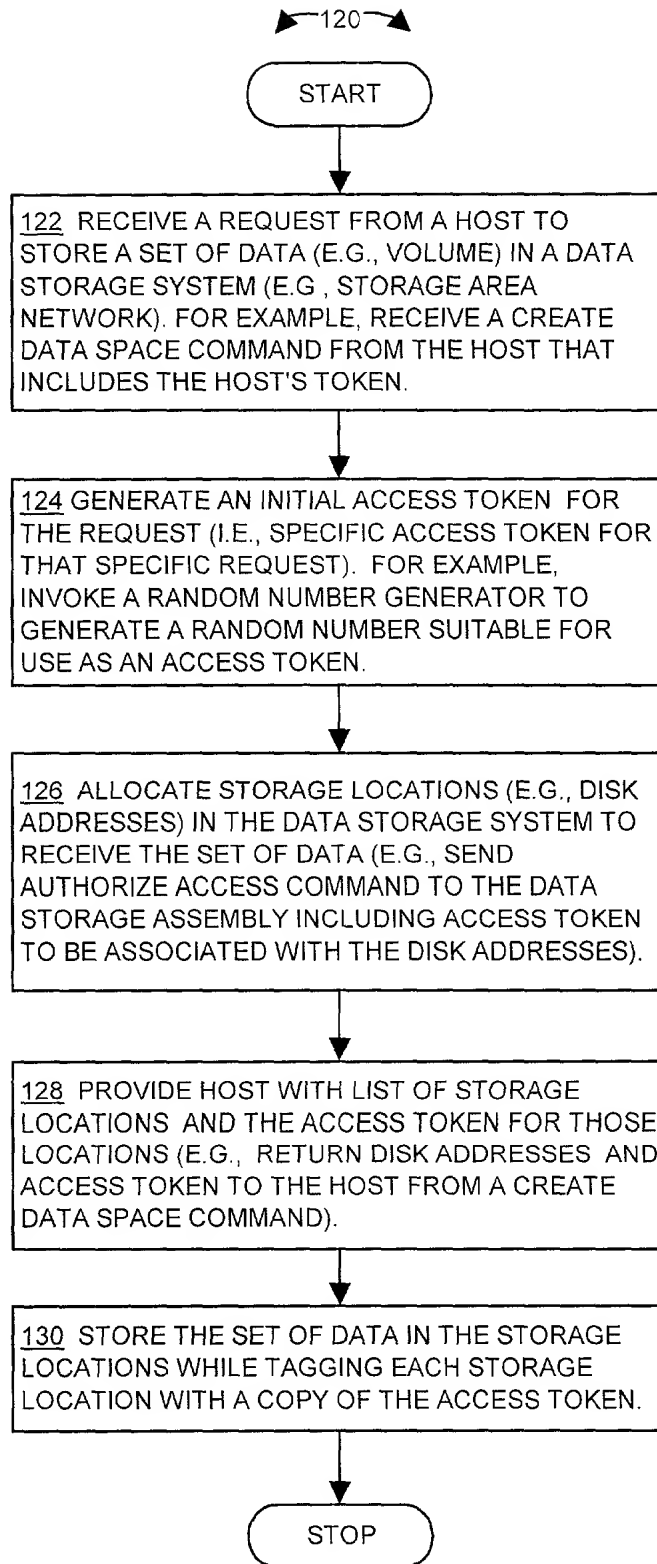


FIG. 3

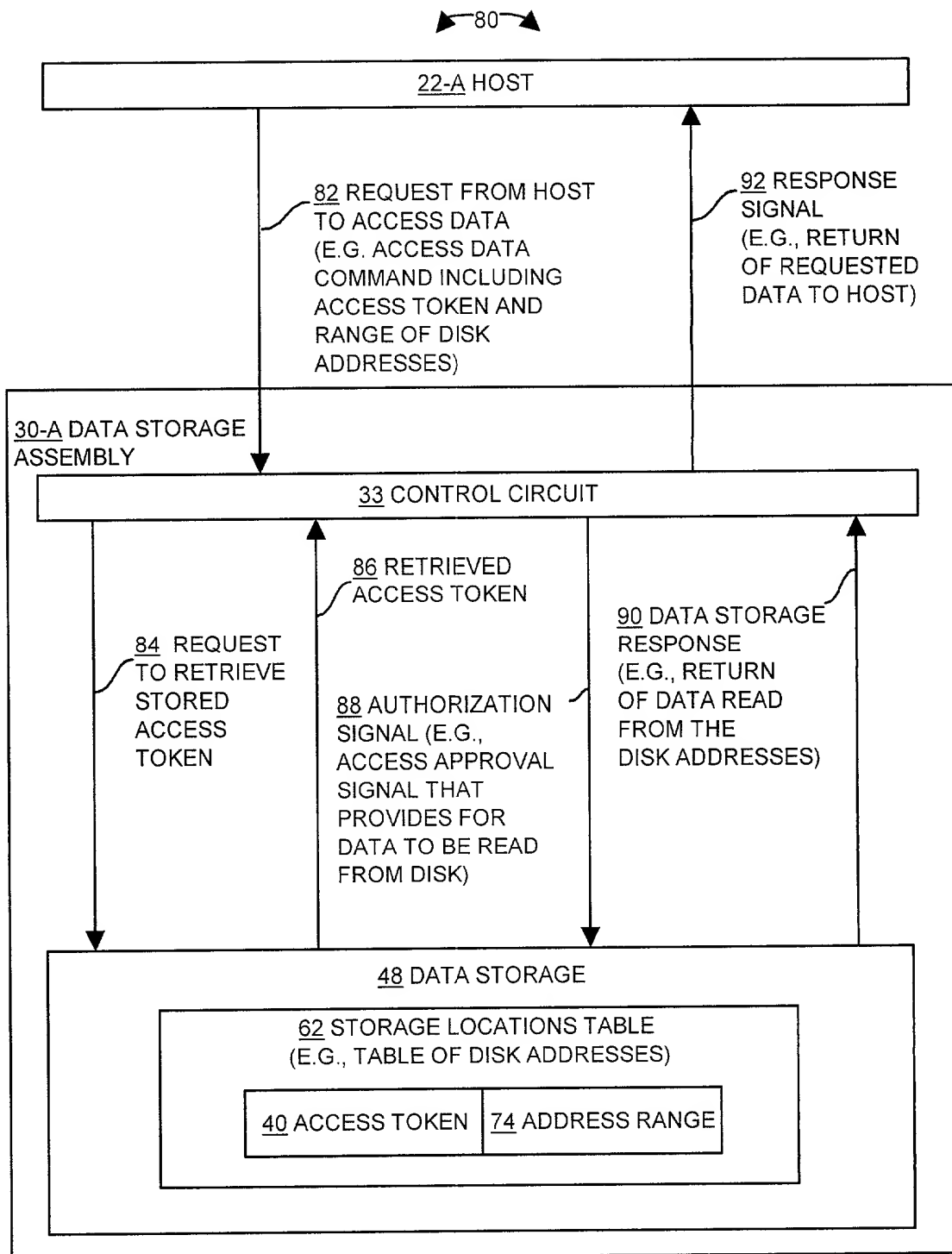


FIG. 4

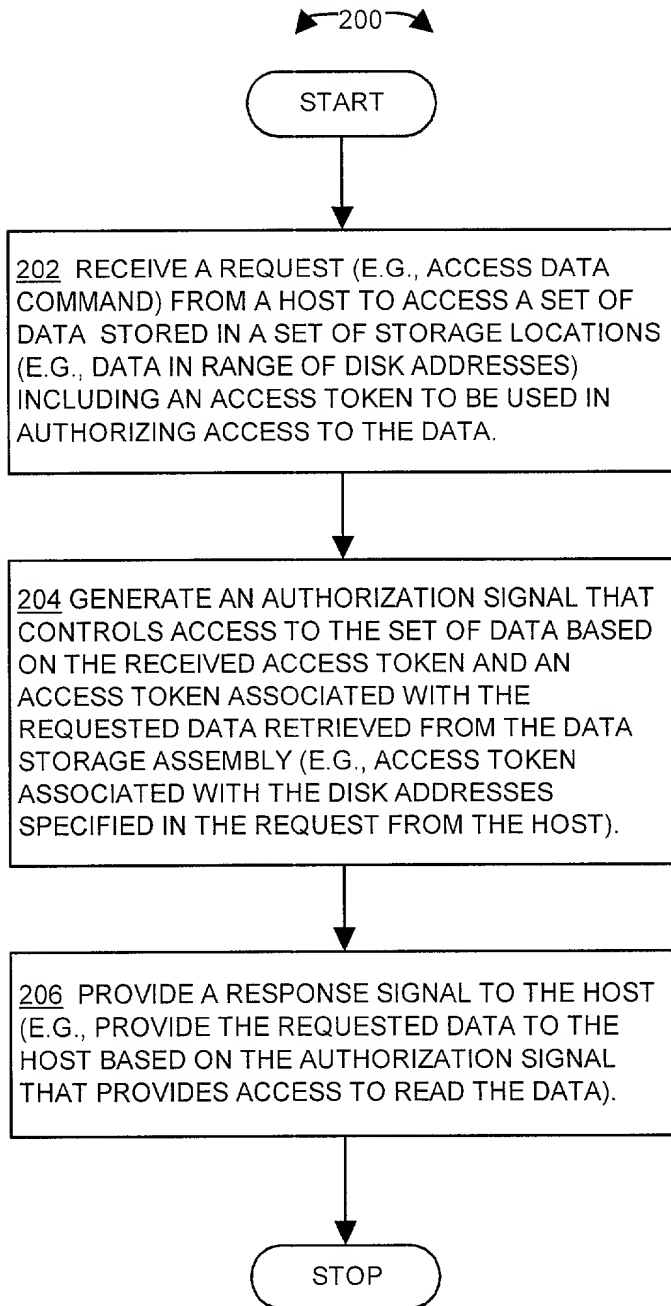


FIG. 5

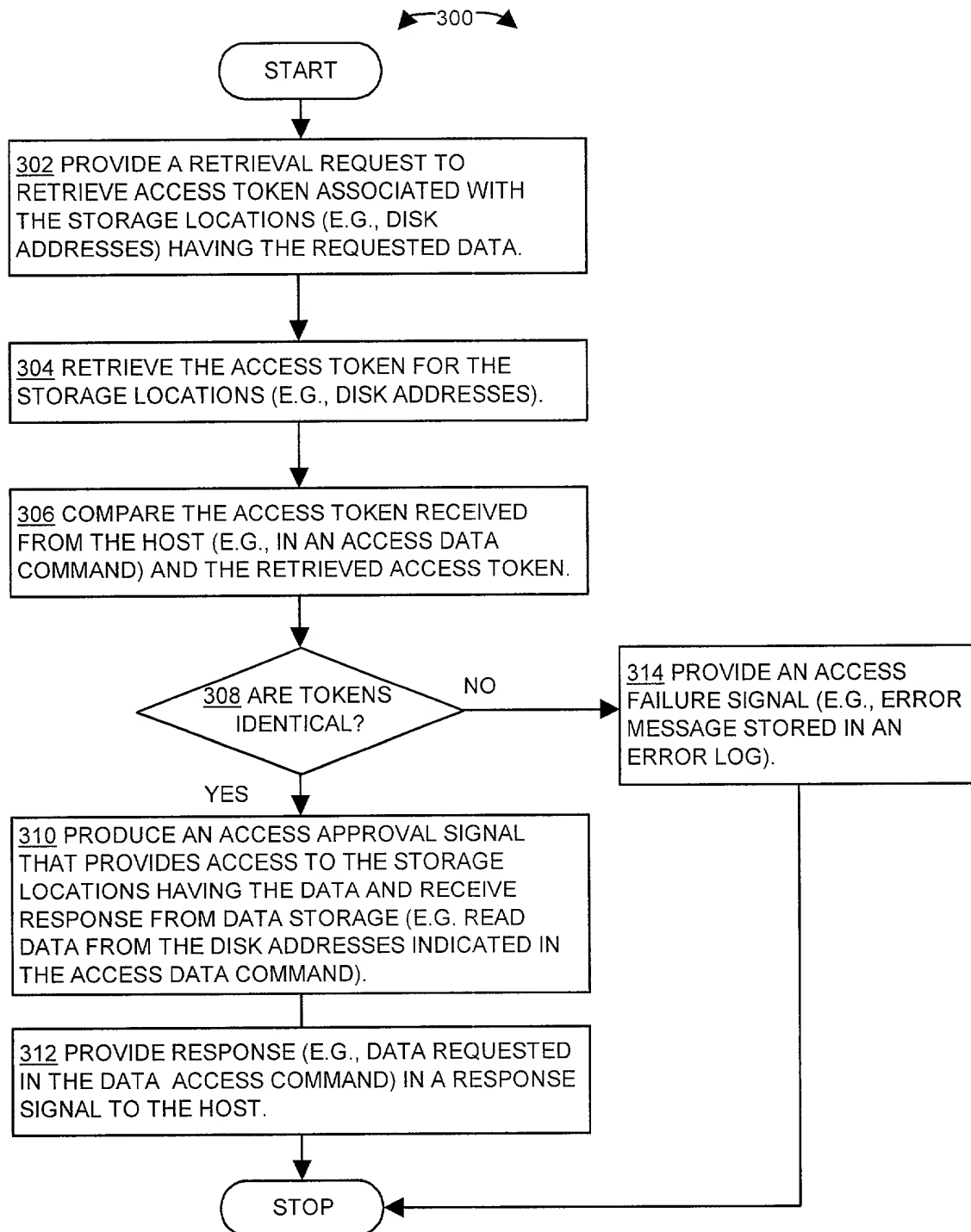


FIG. 6

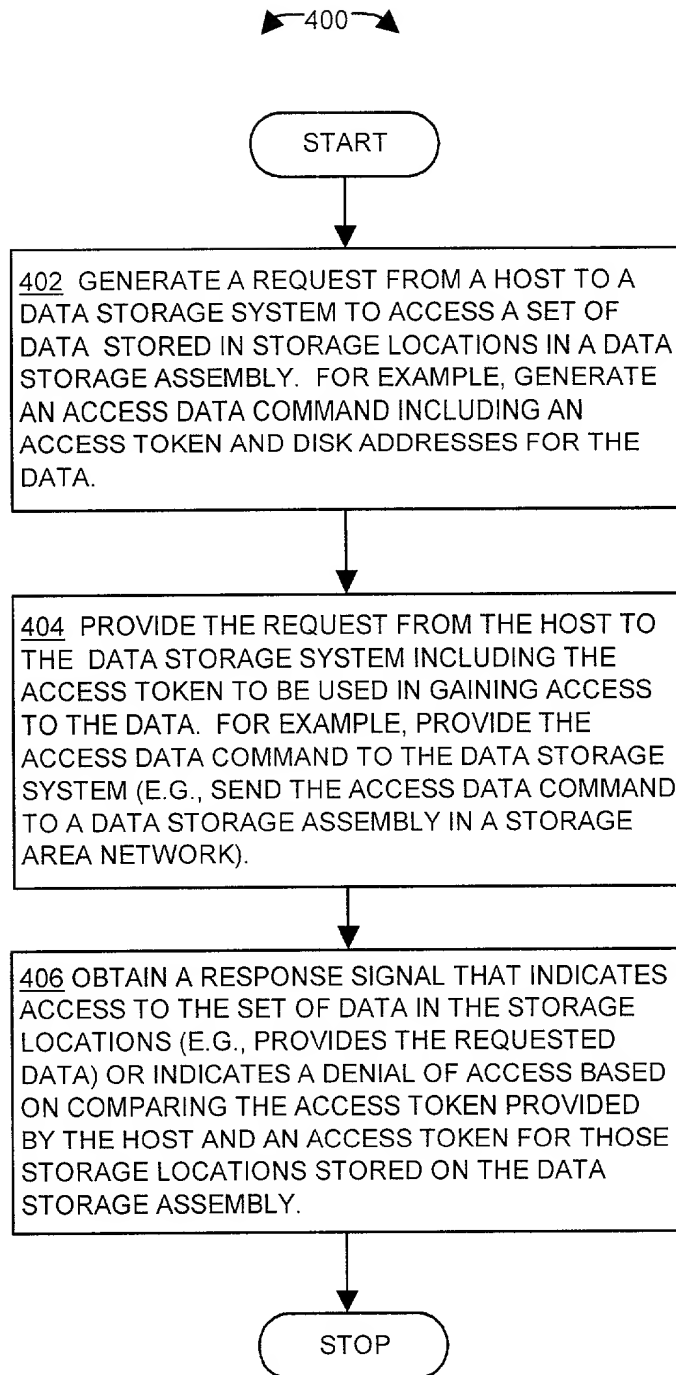


FIG. 7

500

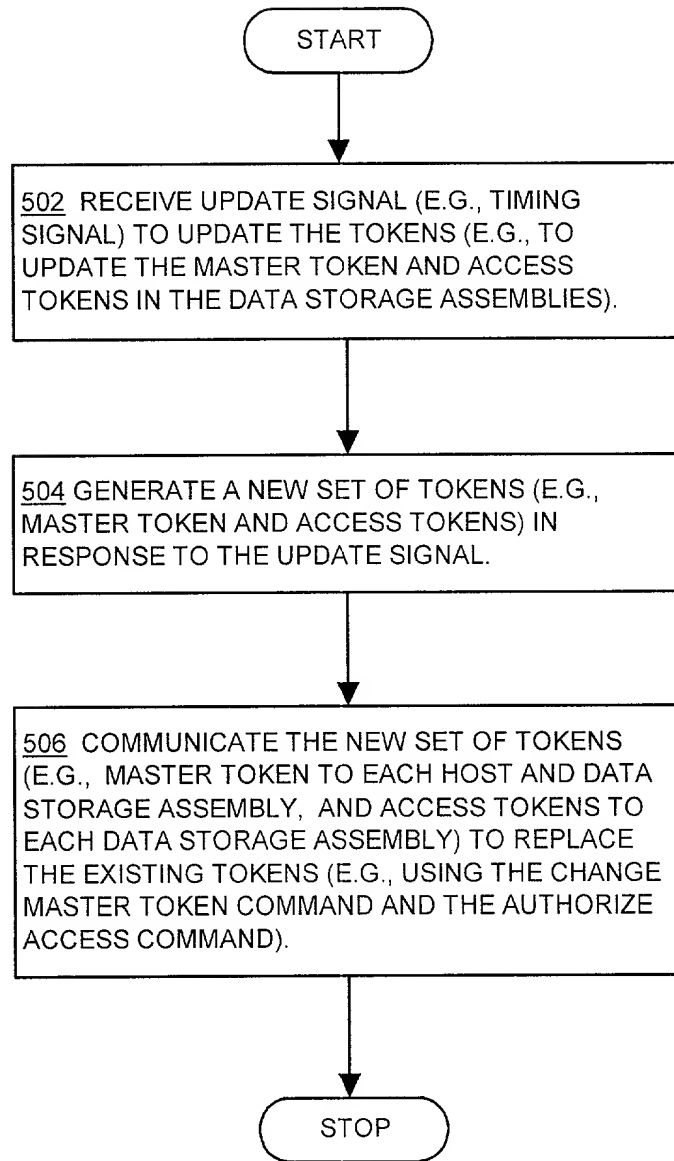


FIG. 8



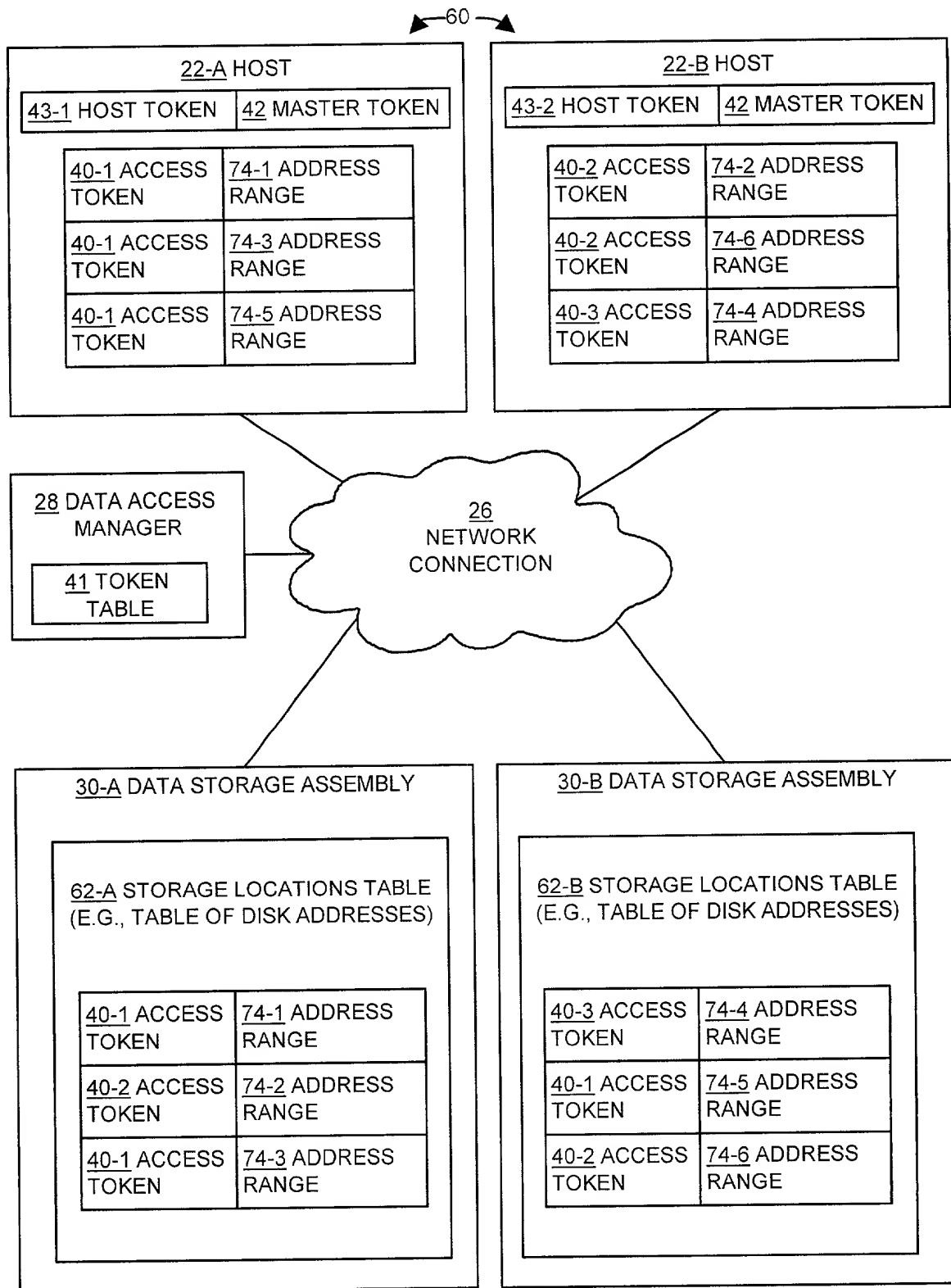


FIG. 9

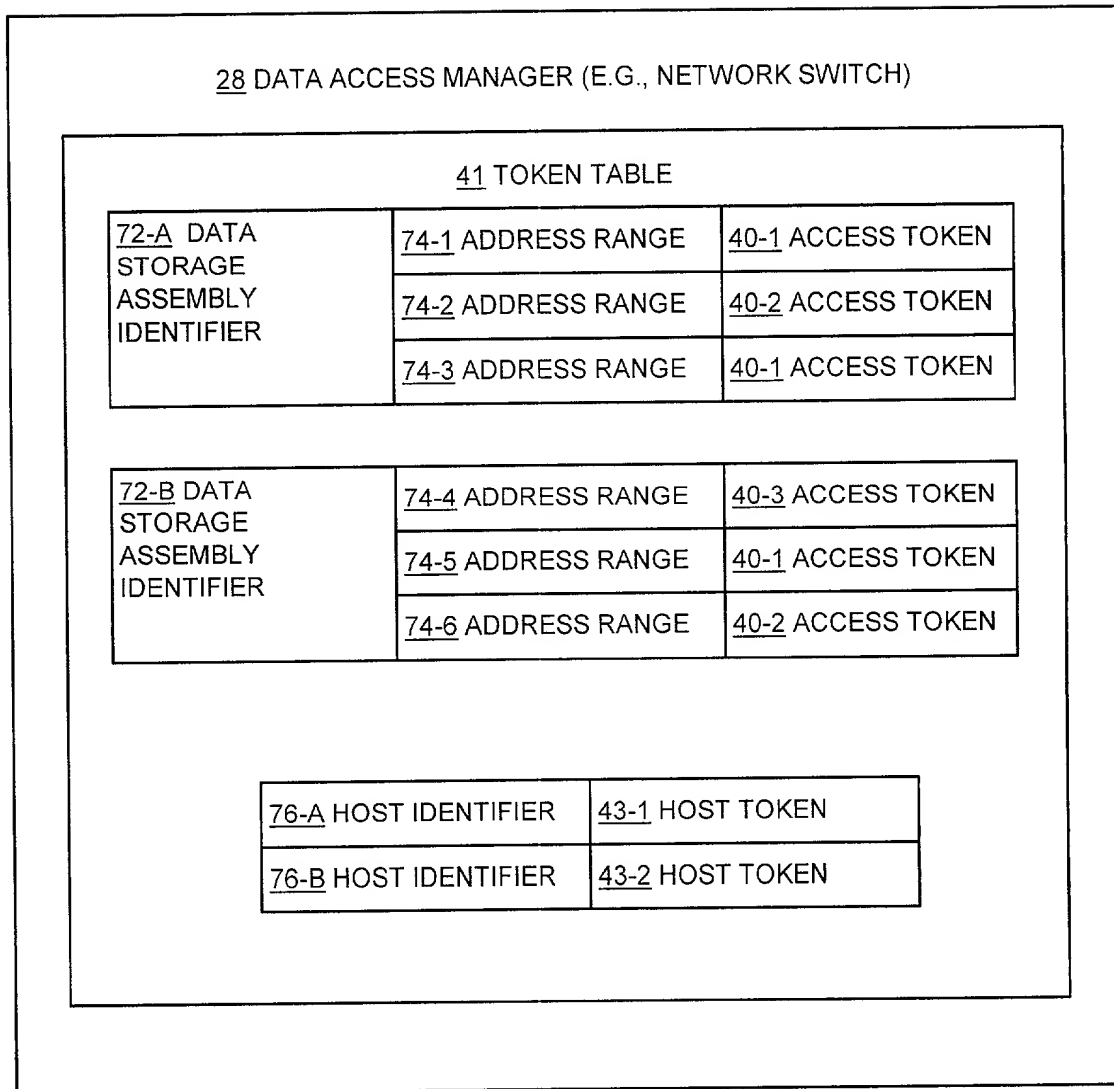


FIG. 10